Quang Dung Lam, PhD.

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Department of Topical Plant Production and Agricultural Systems Modelling (TROPAGS), Faculty of Agricultural Sciences, Georg-August-University Göttingen

Curriculum Vitae

Academic Education:

- 2011: Doctoral degree in Environmental Science, Kiel University, Germany
- 2001: Master degree in Agricultural Science, University of Water Resources, Vietnam
- 1994: Bachelor degree in Water Resources Economics, University of Water Resources, Vietnam

Professional Career:

Since 08.2020	Georg-August-University Göttingen, Germany
2016-2018	Antea Group consultant firm, Belgium
2013-2015	Institute for Water Management GmbH, Braunschweig, Germany
2011-2012	Technical University of Braunschweig, Germany
2007-2011	Christian-Albrecht University of Kiel, Germany
2004-2007	Ministry of Agriculture and Rural Development, Vietnam
1998-2003	Academic for Water Resources, Vietnam

Research Interests:

Data analysis and numerical modeling of crop water requirement, crop growth, crop yield, and soil nutrient cycles in various agricultural catchment scales; Developemen of GIS-Based Agrohydrological models for predicting the impact of climate change/ land use change on agricultural production and water resources from meso - macro scales; Field experiment, data collection and measurement at farming level;

Teaching activities:

- ***Department of Hydrology, Water Management and Water Protection, Technical University of Braunschweig, Germany.***
  Lecturer (2012-2015)
  Taught the subject “Soil-nutrient transformation and transport; River Basin Management” to Master students. Supervised MSc. students and co-supervised PhD students. Compiled the book “Eco-hydrological Modelling” for internal use at the Institute for Hydraulic Engineering and Water Resources, Technical University of Braunschweig, Germany.
- ***Department of Hydrology and Water Resources Management, University of Kiel, Germany.***

- ***Teaching Assistant (2009-2011)***
  Participated in setting up labs; Prepared examinations for the subject "Agro-Hydrological modelling"; Checked student reports.

Publications:

Peer- Reviewed Journals

- **Lam, Q.D**., Pätsch, M., 2018. Coupled modelling approach to assess effects of climate change on coastal groundwater system in a tropical area. Hydrological processes, (Submitted in October 2018).
- **Lam, Q.D**., Schmalz, B., Fohrer, N., 2012. Assessing the spatial and temporal variations of water quality in lowland areas, Northern Germany. Journal of Hydrology. (438–439), 137-147.
- **Lam, Q.D**., Schmalz, B., Fohrer, N., 2011. The impact of agricultural Best Management Practices on water quality in a North German lowland catchment. Environmental Monitoring and Assessment. 183 (1-4), 351-79.
- **Lam, Q.D**., Schmalz, B., Fohrer, N., 2010. Modelling point and diffuse source pollution of nitrate in a rural lowland catchment using the SWAT model. Agricultural and Water Management, 97 (2), 317-325.
- **Lam, Q.D**., Schmalz, B., Fohrer, N., 2009. Ecohydrological modelling of water discharge and nitrate loads in a mesoscale catchment, Germany. Advances in Geosciences. 21, 49-55.
- **Lam Quang Dung**, 2001. Requirement and efficiency of on canal water loss reduction measures for Ke Go irrigation system. Food and Agriculture Organization of the United Nations.

Conference Proceedings and Presentations

- **Lam, Q.D**., Pätsch, M., Meon, G., Lange, S., 2014. The evaluation of groundwater level variations in a coastal zone using a groundwater model FEFLOW. The 4th VNU – Ho Chi Minh International Conference for Environmental and Natural Resources, Vietnam.
- Huyen, L.T.T., Lorenz, M., Prilop, K., **Lam, Q.D**., Meon, G., 2012. An ecohydrological, ecohydraulic model system for water management of the Saigon river system under tide effect. Conference 9th, ISE, Viena, Austria.
- **Lam, Q.D**., Schmalz, B., Fohrer, N., 2011: Effect of Best Management Practices on Water Quality in a Lowland Catchment. International SWAT conference, June 15-17, Toledo, Spain.
- **Lam, Q.D**., Schmalz, B., Fohrer, N., 2011: Spatial and temporal variations of water quality in Northern German lowland catchments. Geophysical Abstracts. EGU 2011, 3-8. April, Vienna, Austria.
- **Lam, Q.D**., Schmalz, B., Fohrer, N., 2010: Modelling point and diffuse sources pollution of nutrient load in a rural lowland area using the SWAT model, Forum für Hydrologie und Wasserbewirtschaftung, Heft 26.2010, Hennef. Germany

- **Lam, Q.D**., Schmalz, B., Fohrer, N., 2009: Assessing the impact of point and diffuse sources pollution on nitrate load in a rural lowland catchment using the SWAT model. SWAT 2009, 5th international SWAT conference, 05.-07.08.2009, Boulder Colorado. Book of Abstracts. P. 81. United States of America.
- **Lam, Q.D**., Schmalz, B., Fohrer, N., 2009: Integration of point sources to model nitrate loads in a rural lowland catchment. In: Fohrer, N., Schmalz, B., Hörmann, G., Bieger, K. (Hrsg.): Hydrologische Systeme im Wandel. Forum für Hydrologie und Wasserbewirtschaftung, Heft 26.09, Hennef. Germany
- **Lam, Q.D**., Schmalz, B., Fohrer, N., 2008: Ecohydrological modelling of the hydrology of a North German lowland catchment. 12. Workshop Großskalige Hydrologische Modellierung, 12.-14.11.2008 Salzau, Germany.
- **Lam Quang Dung**, 2006. Research and suggestion for a right plantation model for the agricultural hydrometeorology system in Ke Go Lake in order to decrease disasters and droughts. Science and Technology Journal of Agriculture and Rural Development, Vietnam. N0. 5, p. 88-89, ISSN 08667020.